Amendments to the Specification:

Please replace the title beginning at page 1, lines 1 and 2, with the following rewritten title:

-- METHOD FOR ESTIMATING A SCATTERED RADIATION, PARTICULARLY TO CORRECT

TOMOGRAPHY OR BONE DENSITOMETRY MEASUREMENTS --

Please replace the paragraph beginning at page 2, line 22, and ending at page 3, line 10, with the following

rewritten paragraph:

-- Finally, a certain number of digital methods exist for estimating the scattered radiation, from

convolutions and deconvolutions of measurements, for example: one could also cite French patent 2 759

800 for a different, analytical digital method. Said methods are, in general, difficult to employ since they

depend on parameters chosen by the user (convolutions kernel, for example) that only give good results in

favorable situations, such as small areas where the scattered radiation is low, or objects with a relatively

homogeneous content. No simple method exists that makes it possible, for example, to correct the scattered

radiation through the thorax or other major anatomical regions, which are frequently examined but which

are unfavorable for correcting the scattered radiation due to their very volume and the heterogeneity due

to the presence of a complex bone structure and in which the radiation attenuation capacity is very different

to that of soft tissue.